

**PATENT**

Docket No. 29273/553

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS : Yuko IWABUCHI et al.  
SERIAL NO. : (Con. of 09/131,383)  
FILED : 19 June 2001  
FOR : METHOD AND APPARATUS OF AN INSPECTION SYSTEM  
USING AN ELECTRON BEAM  
GROUP ART UNIT : 2881 (Anticipated)  
EXAMINER : J. Berman (Anticipated)

ASSISTANT COMMISSIONER  
FOR PATENTS  
Washington, D.C. 20231

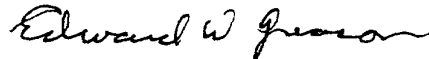
**ASSOCIATE POWER OF ATTORNEY**

SIR:

Please recognize John C. Altmiller (Reg. No. 25,951) and other registered practitioners of KENYON & KENYON included in the Customer Number provided below, with full power to prosecute said application, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office connected therewith.

CUSTOMER NUMBER: 23838

Respectfully submitted,



Edward W. Greason  
(Reg. No. 18,918)

Dated: April 26 2001

KENYON & KENYON  
One Broadway  
New York, New York 10004

Tel.: (212) 425-7200

## DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION

ATTORNEY'S DOCKET NO.

29273/487

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled A METHOD AND AN APPARATUS OF AN INSPECTION SYSTEM USING AN ELECTRON BEAM the specification of which

(check one)

XX is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
Japan	9-212908	Aug. 7, 1997		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
				<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NO.	FILING DATE (day, month, year)	STATUS (i.e. Patented, Pending, Abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Edward W. Greason  
Reg. No. 18,918

## SEND CORRESPONDENCE TO:

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Kenyon & Kenyon  
One Broadway  
New York, N.Y. 10004

DIRECT TELEPHONE CALLS TO:  
(name and telephone number)

John C. Altmiller  
(202) 429-1776

(continued)

20220134E3004

201	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
202	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
203	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
204	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
205	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
206	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
<i>Yuko Iwabuchi</i>	<i>Hideo Todokoro</i>	<i>Mori</i>
DATE	DATE	DATE
July 31, 1998	July 31, 1998	July 31, 1998
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
<i>Mitsugu Sato</i>	<i>Yasutsugu Usami</i>	<i>Mikio Ichihashi</i>
DATE	DATE	DATE
July 31, 1998	July 31, 1998	July 31, 1998

201	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
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	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
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	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
209	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
210	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
211	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
212	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.</p>				
SIGNATURE OF INVENTOR 201		SIGNATURE OF INVENTOR 208		SIGNATURE OF INVENTOR 209
DATE		DATE		DATE
July 31, 1998		July 31, 1998		July 31, 1998
SIGNATURE OF INVENTOR 210		SIGNATURE OF INVENTOR 211		SIGNATURE OF INVENTOR 212
DATE		DATE		DATE
July 31, 1998		July 31, 1998		July 31, 1998



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

NOVEMBER 16, 1998

PTAS

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1025 CONNECTICUT AVENUE, N.W.  
WASHINGTON, DC 20036



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UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE  
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SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/07/1998

REEL/FRAME: 9388/0608  
NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

IWABUCHI, YUKO

DOC DATE: 07/31/1998

ASSIGNOR:

TODOKORO, HIDEO

DOC DATE: 07/31/1998

ASSIGNOR:

MORI, HIROYOSHI

DOC DATE: 07/31/1998

ASSIGNOR:

SATO, MITSUGU

DOC DATE: 07/31/1998

ASSIGNOR:

USAMI, YASUTSUGU

DOC DATE: 07/31/1998

ASSIGNOR:

ICHIHASHI, MIKIO

DOC DATE: 07/31/1998

ASSIGNOR:

FUKUHARA, SATORU

DOC DATE: 07/31/1998

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ASSIGNOR:  
SHINADA, HIROYUKI

DOC DATE: 07/31/1998

ASSIGNOR:  
KANEKO, YUTAKA

DOC DATE: 07/31/1998

ASSIGNOR:  
SUGIYAMA, KATSUYA

DOC DATE: 07/31/1998

ASSIGNOR:  
TAKAFUJI, ATSUKO

DOC DATE: 07/31/1998

ASSIGNOR:  
TOYAMA, HIROSHI

DOC DATE: 07/31/1998

ASSIGNEE:  
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SERIAL NUMBER: 09131383  
PATENT NUMBER:

FILING DATE: 08/07/1998  
ISSUE DATE:

SHIRLIE SIMON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

2025-10-13 14:00:00

ASSIGNMENT

WHEREAS, WE, Yuko Iwabuchi, Hideo Todokoro, Hiroyoshi Mori, Mitsugu Sato, Yasutsugu Usami, Mikio Ichihashi, Satoru Fukuhara, Hiroyuki Shinada, Yutaka Kaneko, Katsuya Sugiyama, Atsuko Takafuji and Hiroshi Toyama, citizens of 1-14-3, Yanagi-machi, Mito-shi, Ibaraki 310-0817, Japan; 2196-313, Japan, residing at Nishitara-gun, Tokyo 190-0182, Japan; 1302-39, Higashiishikawa, Hitachinaka-shi, Ibaraki 312-0052, Japan; 1927-32, Takaba, Hitachinaka-shi, Ibaraki 312-0062, Japan; 5-21, Nagasaki, Toshima-ku, Tokyo 171-0051, Japan; 2-16-18, Jyosuishin-machi, Kodaira-shi, Tokyo 187-0023, Japan; 397-12, Inada, Hitachinaka-shi, Ibaraki 312-0061, Japan; 1-10-8, Tsutsurijogaka, Chofu-shi, Tokyo 182-0005, Japan; 2-32-A202, Koyasu-cho, Hachioji-shi, Tokyo 192-0904, Japan; 415-2-303, Nedo, Kashiwa-shi, Chiba 277-0831, Japan; 1-8-22, Higashi, Seki-machi, Tokyo 177-0052, Japan respectively, have invented new and useful improvements in

A METHOD AND AN APPARATUS OF AN INSPECTION SYSTEM USING AN ELECTRON BEAM

for which we are about to make application for Letters Patent of the United States, said application having been executed by us on even date herewith; and

WHEREAS, Hitachi, Ltd.

a Company of Japan, having its place of business at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010, Japan

(hereinafter referred to as the Assignee), is desirous of acquiring the entire right, title and interest in and to the application and the invention therein described and claimed and any Letters Patent that may be issued upon the application or for the improvements therein contained.

NOW, THEREFORE, for and in consideration of the equivalent sum of One Dollar (\$1.00) to us in hand paid, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned and transferred, and do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the application and the invention therein contained, including the right to apply for any Letters Patent in the United States of America on the invention, any any Letters Patent that may issue thereon or therefor, in the United States, and all reissues, extensions,

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renewals, divisions and continuations thereof, to the full end of the term or terms for which the Letters Patent may be issued, the same to be held and enjoyed by the Assignee, its successors and assigns, the same as it would have been held and enjoyed by us if this Assignment and sale had not been made.

And we hereby authorize and request the Commissioner of Patents to issue all such Letters Patent to the Assignee, its successors and assigns, in accordance with this instrument of Assignment.

We hereby represent and warrant that there are no rights and interests outstanding inconsistent with the rights and interests granted herein and that we will not execute any instrument or grant or transfer any rights or interests inconsistent therewith, and we bind ourselves, our heirs, executors, administrators and legal representatives, as the case may be, to execute and deliver to the Assignee, its successors and assigns, any further documents or instruments and do any and all further acts that may be deemed necessary by the Assignee, its successors and assigns, to vest in the Assignee, its successors and assigns, the title herein conveyed, or intended so to be, and to enable such title to be recorded in the United States.

And we further covenant and agree, in consideration of the premises that we, our executors and administrators, will at any time upon request communicate to the Assignee, its successors and assigns, any facts relating to the invention and improvements and the history thereof, known to us or our executors and administrators, and that we will testify as to the same in any



IN TESTIMONY WHEREOF, I have hereunto set my hand and  
seal this 31th day of July, 1998.

Yuko Iwabuchi

IN TESTIMONY WHEREOF, I have hereunto set my hand and  
seal this 31th day of July, 1998.

Wideo Iwakura

WITNESSED BY:

Mari Yamagata

Name

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Ibaraki 319-1222, Japan

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seal this 31th day of July, 1998.

*T. Sato*

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*Mitsugu Sato*

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IN TESTIMONY WHEREOF, I have hereunto set my hand and  
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Yasutengu Usami

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Mikio Ichihashi

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Satoru Fukuhara

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Hiroshi Shinada

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IN TESTIMONY WHEREOF, I have hereunto set my hand and  
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Yutaka Kaneko

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Katsuya Sugiyama

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IN TESTIMONY WHEREOF, I have hereunto set my hand and  
seal this 31th day of July, 1998.

Azuko Takafuji

IN TESTIMONY WHEREOF, I have hereunto set my hand and  
seal this 31th day of July, 1998.

Shiroshi Toyama

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